

SEQUENCE LISTING

<110> Hartley, James L.
Brasch, Michael A.
Temple, Gary F.
Fox, Donna K.

<120> Recombinational Cloning Using Nucleic Acids Having
Recombination Sites

<130> 0942.2850004

<140> US 09/177,387

<141> 1998-10-23

<150> US 60/065,930

<151> 1997-10-24

<160> 60

<170> PatentIn Ver. 2.0

<210> 1

<211> 25

<212> DNA

<213> Unknown

<220>

<221> OTHER

<222> 10

<223> "n" may be any nucleotide

<223> Description of Unknown Organism: recombination
products

<400> 1

rkycwgcttt yktrtacnaa stsgb

25

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products

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<223> "n" may be any nucleotide
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products

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gttcagcttt cktrtacnaa ctsgb 25

<210> 4
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products

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<210> 5
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<223> Description of Unknown Organism: recombination
products

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products

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<210> 7
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<220>
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products

<400> 7
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<210> 8
<211> 25

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<220>

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products

<400> 8

accagcttt cttgtacaaa gtggt

25

<210> 9

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<212> DNA

<213> Unknown

<220>

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products

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25

<210> 10

<211> 25

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<223> Description of Unknown Organism: recombination
products

<400> 10

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25

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<211> 25

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<220>

<223> Description of Unknown Organism: recombination
products

<400> 11
gttcagcttt cttgtacaaa gtggt 25

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products

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<210> 13
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products

<400> 13
agcctgcttt cttgtacaaa gttgg 25

<210> 14
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<220>
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products

<400> 14
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<210> 15

<211> 25

<212> DNA

<213> Unknown

<220>

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products

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25

<210> 16

<211> 25

<212> DNA

<213> Unknown

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products

<400> 16

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25

<210> 17

<211> 39

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products

<400> 17

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39

<210> 18

<211> 39

<212> DNA

<213> Unknown

<220>

<400> 18

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39

<210> 19

<211> 46

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic oligonucleotide

<400> 19

ggccgattac gatatcccaa cgaccgaaaa cctgtatddd cagggg

46

<210> 20

<211> 30

<212> DNA

<213> Artificial Sequence

 $\langle 220 \rangle$

<223> Description of Artificial Sequence: synthetic oligonucleotide

<400> 20

caggttttcg gtcgttggga tatcgtaatc

30

<210> 21

<211> 47

<212> DNA

<213> Artificial Sequence

 $\langle 220 \rangle$

<223> Description of Artificial Sequence: synthetic oligonucleotide

<400> 21

ggccagatta cgatatccca acgaccgaaa acctgtattt tcaggggt

47

<210> 22
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 22
caggttttcg gtcgttggga tatcgtaatc t 31

<210> 23
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 23
ggccaagatt acgatatccc aacgaccgaa aacctgtatt ttcagggt 48

<210> 24
<211> 32
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 24
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<210> 25
<211> 15
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 25

accgtttacg tggac

15

<210> 26

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 26

tcgagtccac gtaaacggtt cccacttatt a

31

<210> 27

<211> 39

<212> DNA

<213> Artificial Sequence

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oligonucleotide

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uauuuucagg guatggagaa aaaaatcact ggatatacc

39

<210> 28

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 28

ucccacuuau uacgccccgc cctgccactc atc

33

15 31 39 33

<210> 29

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 29

uauuuucagg guatgcctgt tctggaaaac cgg

33

<210> 30

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 30

ucccacuuau uatttcagcc ccagggcggc ttcc

34

<210> 31

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 31

tccgttgaag cctgcttttt tataactaact tgagcgaagc ctcgggggtca gcataagg 58

<210> 32

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 32

ccaataactt cgtatagcat acattatacg aagttattgc cccttggtga cataactcg 58

<210> 33

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 33

tcactagtcg gcggcccaca 20

<210> 34

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 34

gagcggcccc cgcggaccac 20

<210> 35

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 35

ggcccacaag tttgtacaaa a

21

<210> 36

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 36

ccccgcggac cactttgtac

20

<210> 37

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
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<400> 37

acaagtttgt acaaaaaaagc a

21

<210> 38

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 38

accactttgt acaagaaagc t

21

<210> 39

<211> 25

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: recombination
products

<400> 39

rbycwgcttt yttitacwaa stkgd

25

<210> 40

<211> 25

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: recombination
products

<400> 40

asccwgcttt yttirtacwaa stkgw

25

<210> 41

<211> 25

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: recombination
products

<400> 41

asccwgcttt yttirtacwaa gttgg

25

<210> 42

<211> 25

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: recombination
products

<400> 42

gttcagcttt yttrtacwaa stkgw

25

<210> 43

<211> 25

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: recombination
products

<400> 43

gttcagcttt yttrtacwaa gttgg

25

<210> 44

<211> 25

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: recombination
products

<400> 44

tcggacgaaa aaatatgatt gaact

25

<210> 45

<211> 25

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: recombination
products

<400> 45

tcggacgaaa aaacatgttt gaaca

25

<210> 46

<211> 25

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: recombination
products

<400> 46

tcggacgaaa gaacatgttt gaaca

25

<210> 47

<211> 25

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: recombination
products

<400> 47

tgggtcgaaa gaacatgttt cacca

25

<210> 48

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 48

aattctcatg ttgacagct tatc

24

<210> 49

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 49

cgatggatat gttctgccaa g

21

<210> 50

<211> 49

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 50

acaagtttgt acaaaaaagc aggctaattc tcatgtttga cagcttatac

49

<210> 51

<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 51

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46

<210> 52

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 52

ggggacaagt ttgtacaaaa aagcaggcta attctcatgt ttgacagctt atc

53

<210> 53

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 53

ggggaccact ttgtacaaga aagctgggtc gatggatatg ttctgccaag

50

<210> 54

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 54

aatacattca aatatgtatc cgc

23

<210> 55

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 55

ttaccaatgc ttaatcagtg ag

22

<210> 56

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 56

acaagtttgt acaaaaaagc aggctaatac attcaaatat gtatccgc

48

<210> 57

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 57

accactttgt acaagaaagc tgggtttacc aatgcttaat cagtgag

47

<210> 58

<211> 52

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 58

ggggacaagt ttgtacaaaa aagcaggcta atacattcaa atatgtatcc gc

52

<210> 59

<211> 51

<212> DNA

<213> Artificial Sequence

51

ggggaccact ttgtacaaga aagctggggtt taccaatgct taatcagtga g

<213> Unknown

<223> Description of Unknown Organism: recombination products

agcctgcttt tttatactaa cttga

25

[illegible]